

### ABSTRACT

A process for setting an angioplasty stent on a corresponding insertion element, such as a delivery catheter, in which the angioplasty stent is subjected to an action of radial contraction. The stent is in a radially contracted state before being placed on the insertion element. Preferably, radial contraction of the stent results in a diameter at least marginally smaller than the diameter of the insertion element, e.g., a balloon catheter. After the stent has been set on the insertion element, in the structure of the stent there remain residual states of constraint which act in the direction of securing the stent in the condition of coupling to the insertion element.